

**APPENDIX M**

**SUPPORTING INFORMATION  
FOR HAZARDOUS MATERIALS**



## HAZARDOUS MATERIALS

The following outlines regulations and procedures governing the specific types of hazardous materials and waste that may be encountered as part of the Proposed Action.

### Hazardous Waste Management Procedures

- Coordinate transport, storage, or disposal of hazardous materials used for construction of MFH units with 96 CEG/CEVCP. Any spill would be reported to the appropriate regulatory agency per AFI 32-4002.
- Contact the 96 CEG/CEV CP HAZMAT office about all hazardous materials used in construction projects. All paints, solvents, and adhesives must be approved, documented, and tracked in the Installation Hazardous Materials Management Program.
- Contact the Hurlburt or Eglin (96 CEG/CEVR) Environmental Management if unusual soil coloration and/or odors are detected and if small arms debris is found in these construction locations.
- All buildings must be surveyed for asbestos and lead-based paint prior to demolition.
- Fluorescent bulbs in buildings that are demolished must be packaged securely and labeled with “Universal Waste, Mercury Lamps” for recycling as determined in FAC 62-737.300.
- Concrete dikes should be built around storage tanks in the event that spill control would be needed.
- All pipes that carry fuel should be constructed above the ground for visible detection of any leakage.
- Asbestos fibers are a cancer and a lung disease hazard. Current licenses would be required by applicable state or local jurisdictions for the removal, transporting, and disposal of asbestos-containing materials.
- An asbestos abatement plan should be developed as a guide to protect the on-site workers from airborne asbestos fibers during the demolition of buildings containing asbestos. The plan should be reviewed by the appropriate base personnel, as well as the FDEP Asbestos Coordinator, and the USEPA, Region IV Asbestos Coordinator.

### *Asbestos*

The following regulations/publications pertain to work practices when performing the demolition and disposal of a building that contains asbestos containing building materials (ACBM).

- Code of Federal Regulations (CFR)
  - 29 CFR 1910.1001 General Industry Standard for Asbestos
  - 29 CFR 1910-134 Industry Standard for Respiratory Protection
  - 29 CFR 1910.145 Specifications for Accident Signs/Tags

- 29 CFR 1910.1200 Hazard Communication
- 29 CFR 1910.2 Access to Employee Exposure and Medical Records
- 29 CFR 1926-58 Asbestos, Tremolite, Anthophyllite, and Actinolite (Construction Industry)
- 40 CFR 61, Subpart M NESHAPS American National Standard Institute (ANSI) Publications
  - Z87.1 Occupational and Educational Eye and Face Protection
  - Z88.2-80 Practices for Respirator Protection
- USEPA Guidance for Controlling Asbestos Containing Materials in Buildings
- NIOSH Respiratory Protection
- United States Air Force
  - Air Force Regulation (AFR) 91-42 Air Force Facility Asbestos Management
  - Air Force Instruction (AFI) 32-1050 Facility Asbestos Management
  - AFOSH Std 161-4, Exposure to Asbestos

Federal Requirements that govern asbestos abatement work or hauling and disposal of asbestos waste materials include, but are not limited to, the following.

OSHA: U.S. Department of Labor, Occupational Safety and Health Administration regulations including, but not limited to:

- Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules Title 29, Part 1910, Section 1001 and Part 1926, Section 1101 of the Code of Federal Regulations.
- Respiratory Protection Title 29, Part 1910, Section 134 of the Code of Federal Regulations.
- Access to Employee Exposure and Medical Records Title 29, Part 1910, Section 2 of the Code of Federal Regulations.
- Hazard Communication Title 29, Part 1910, Section 1200 of the Code of Federal Regulations.
- Specifications for Accident Prevention Signs and Tags Title 29, Part 1910, Section 145 of the Code of Federal Regulations.

DOT: U. S. Department of Transportation regulations including, but not limited to:

- Hazardous Substances Title 29, Part 171 and 172 of the Code of Federal Regulations.

## U.S. Environmental Protection Agency

- National Emissions Standards for Hazardous Air Pollutants (NESHAPS) 40 CFR, Subpart M. Part 61 NESHAPS requires 10 working days written notification of removal of quantities of ACM greater than 260 linear feet or 160 square feet.

Standards that govern asbestos abatement work or hauling and disposal of asbestos waste materials include, but are not limited to, the following.

- American National Standards Institute (ANSI), 1430 Broadway, New York, New York 10018, (212) 354-3300
- Fundamentals Governing the Design and Operation of Local Exhaust Systems, Publication Z9.2-79.
- Practices for Respiratory Protection Publication Z88.2-80.01092-1.

## USEPA Guidance Documents:

- Guidance for Controlling Asbestos-Containing Materials in Buildings (Purple Book). USEPA 560/5-85-024.
- Asbestos in Buildings: National Survey of Asbestos-Containing Friable Materials. USEPA 560/5-84-006.
- Asbestos in Buildings: Guidance for Service and Maintenance Personnel. USEPA 560/5-85-018.
- Asbestos Waste Management Guidance. USEPA 530-SW-85-007.
- Asbestos Fact Book. USEPA Office of Public Affairs.
- Asbestos in Buildings. Simplified Sampling Scheme for Friable Surfacing Materials.
- A Guide to Respiratory Protection for the Asbestos Abatement Industry. USEPA-560-OPTS-86-001.

USEPA maintains an information number (800) 334-8571; publications may be ordered from (800) 424-9065.

**Lead**

The following regulations/publications pertain to work practices when performing the demolition and disposal of a building that contains lead on Eglin AFB.

- Occupational Safety and Health Administration (OSHA) Standards, Title 29 CFR 1910.1025.
- Resource Conservation and Recovery Act (RCRA), 40 CFR 260-282.
- 29 CFR 1926.62 Construction Standard.

- USEPA, 40 CFR 141 and 142, National Primary Drinking Water Regulations for Lead and Copper.
- 40 CFR 61, Subpart M, National Emission Standard for Hazardous Air Pollutants (NESHAPS).
- Standard Operating Procedures for Measurement of Lead in Paint Using the Niton XL D-Ray Fluorescence Spectrometer Laboratory, Research Triangle Park, North Carolina.
- Department of Housing and Urban Development (HUD), Lead Based Paint: Interim Guidelines for Hazard Identification and Abatement in Public and Indian Housing.
- OSHA Publication 3126, Working With Lead in the Construction Industry.
- USEPA Residential Lead Based Paint Hazard Reduction Act of 1992.

#### Disposal of Lead-Based Paint (LBP)

In 1998, the USEPA proposed standards under the Toxics Substances Control Act (TSCA) which would have replaced existing RCRA regulation covering the disposal of lead based paint. The new standards have not been finalized, but the USEPA issued a memorandum on 31 July 2000. This memo stated that waste generated as part of LBP activities conducted at residences including single-family homes, apartment buildings, public housing, and military barracks constitutes household waste. The agency also proclaimed that such materials are no longer classified as hazardous wastes. Thus, they are excluded from RCRA's hazardous waste management and disposal regulations.